



CITY OF HAYWARD AGENDA REPORT

AGENDA DATE 7/28/98

AGENDA ITEM 5

WORK SESSION ITEM

To: Mayor and City Council

From: Director of Public Works

Subject: **RUUS ROAD SANITARY SEWER LINE REPLACEMENT, TENNYSON ROAD INTERCEPTOR IMPROVEMENT, AND TENNYSON ROAD LIFT STATION IMPROVEMENT PROJECTS – APPROVAL OF PLANS AND SPECIFICATIONS AND CALL FOR BIDS**

RECOMMENDATION:

It is recommended that the City Council approve the plans and specifications for the Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Interceptor Improvement, and Tennyson Road Lift Station Improvement Projects and call for bids to be received on August 25, 1998.

BACKGROUND/DISCUSSION:

Three separately identified projects, Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Interceptor Improvement, and Tennyson Road Lift Station Improvement have been combined for ease of administration and cost effectiveness.

The sanitary sewer line at Ruus Road between Folsom Avenue and Industrial Parkway has surcharge capacity problems during wet-weather flows. Under wet weather conditions, the sewage spills through manhole lids and onto City streets. Approximately 3,050-foot of existing 8-inch sewer main, identified in the Wastewater Collection System Master Plan as hydraulically deficient, will be replaced with a 15-inch sewer main to abate surcharges in the existing overloaded sanitary sewer line.

The existing sewer collection system and pumping facility serving the Tennyson Road Corridor were identified in the Wastewater Collection System Master Plan for improvement. Improvements will include (1) adding 2,110 feet of 24-inch parallel sewer line at Tennyson Road from Tyrrell Avenue and Patrick Avenue to improve the efficiency under **buildout** peak wet weather flow conditions, (2) installation of an overflow structure to interconnect the parallel sewers along Tennyson Road at the intersection of the Underwood Avenue sewer main to balance the system overflow condition, and (3) modification of existing Tennyson Lift Station to increase its capacity from 3.9 MGD to a firm capacity (with one pump out of service) of 5.1 MGD.

As part of the lift station improvements, a 2655-square-foot remnant parcel located behind the lift station was purchased at a cost of \$5000 and added to the lift station property. In addition to providing much needed additional space, this acquisition will enable us to provide a 10-foot-wide landscaped setback along Tennyson Road. This remnant parcel has an access to a local street (Encina) in the back. The access, however, is not wide enough for convenient vehicular use. At this time, staff is still working on purchasing an additional access easement. If successful, this would

enable us to eliminate access from Tennyson Road. Eliminating access from Tennyson Road would improve traffic safety and provide for additional space for landscaping along that frontage.

Due to the depth of the existing sanitary sewer systems, two Construction methods will be considered for this project, Micro-tunneling and Pipe Bursting. These two methods are the new trenchless technology for utility improvement and will minimize traffic impacts with less excavation and decreased construction time. Also, the final product will have no groundwater infiltration because of strong fused joints. Because micro-tunneling work is so specialized, only a list of subcontractors who have adequately responded to a request for qualifications will be allowed to bid on this work. This prequalified list of contractors will assure the City that this part of the work will be done by a qualified firm.

The pipeline project is statutorily exempt from environmental review under the California Environmental Quality Act (CEQA). Public Resource Code Section 21080.21 states that CEQA does not apply to any project of less than one mile in length within a public street or highway or any other public right-of-way for the installation of a new pipeline or the maintenance, repair, restoration, reconditioning, replacement, removal, or demolition of an existing pipeline (CEQA Guidelines Section 152.82(l)). The lift station rehabilitation is categorically exempt under CEQA Guidelines Section 15301, Existing Facilities.

Notices will be provided to affected residents, property owners, and business owners, to inform them of the nature and purpose of the work, potential impacts, and City contact for additional information.

Staff has established a combined goal of 6 percent for Disadvantaged Business Enterprises (DBE) and Women Owned Business Enterprises (WBE) participation for this project. The combined goal is limited due to the lack of available subcontracting opportunities.

Project Cost:

Design & Survey	\$260,000
Construction	\$3,600,000
Inspection & Administration	\$120,000
Total:	\$3,980,000

Funding:

A total of \$3,980,000 has been appropriated for these projects in the Sewer Capital Improvement Fund and Sewer Collection System Replacement Fund in the 1998/99 Capital Improvement Program.

S c h e d u l e :

The following schedule has been developed for this project:

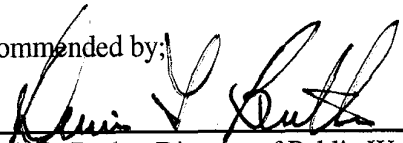
Advertise for Bids	July 28, 1998
Open Bids	August 25, 1998
Award Construction Contract	September 15, 1998
Begin Construction	October 12, 1998
Construction Completion	July 30, 1999

Prepared by:



Alex Ameri, Deputy Director of Public Works

Recommended by:



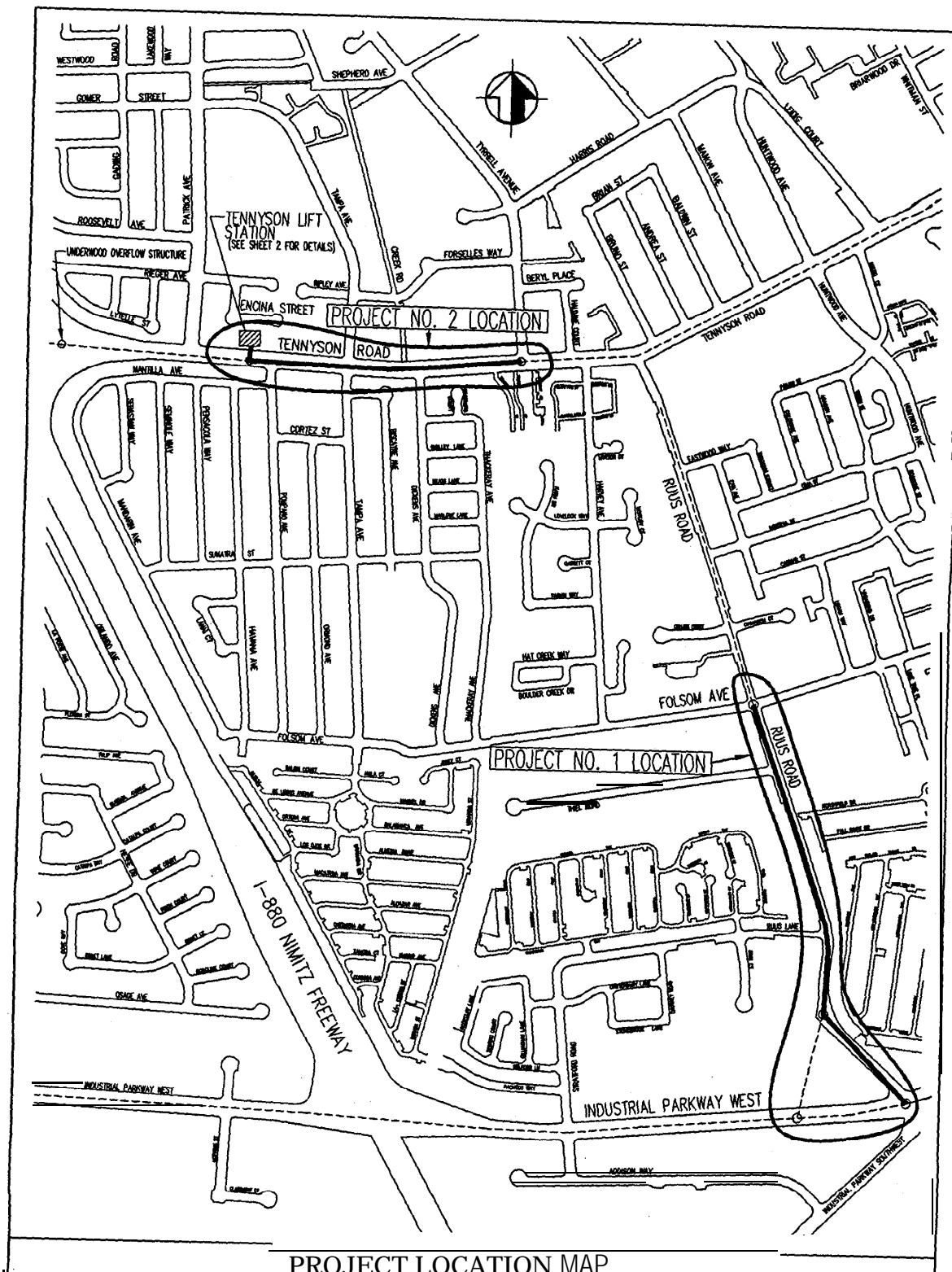
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

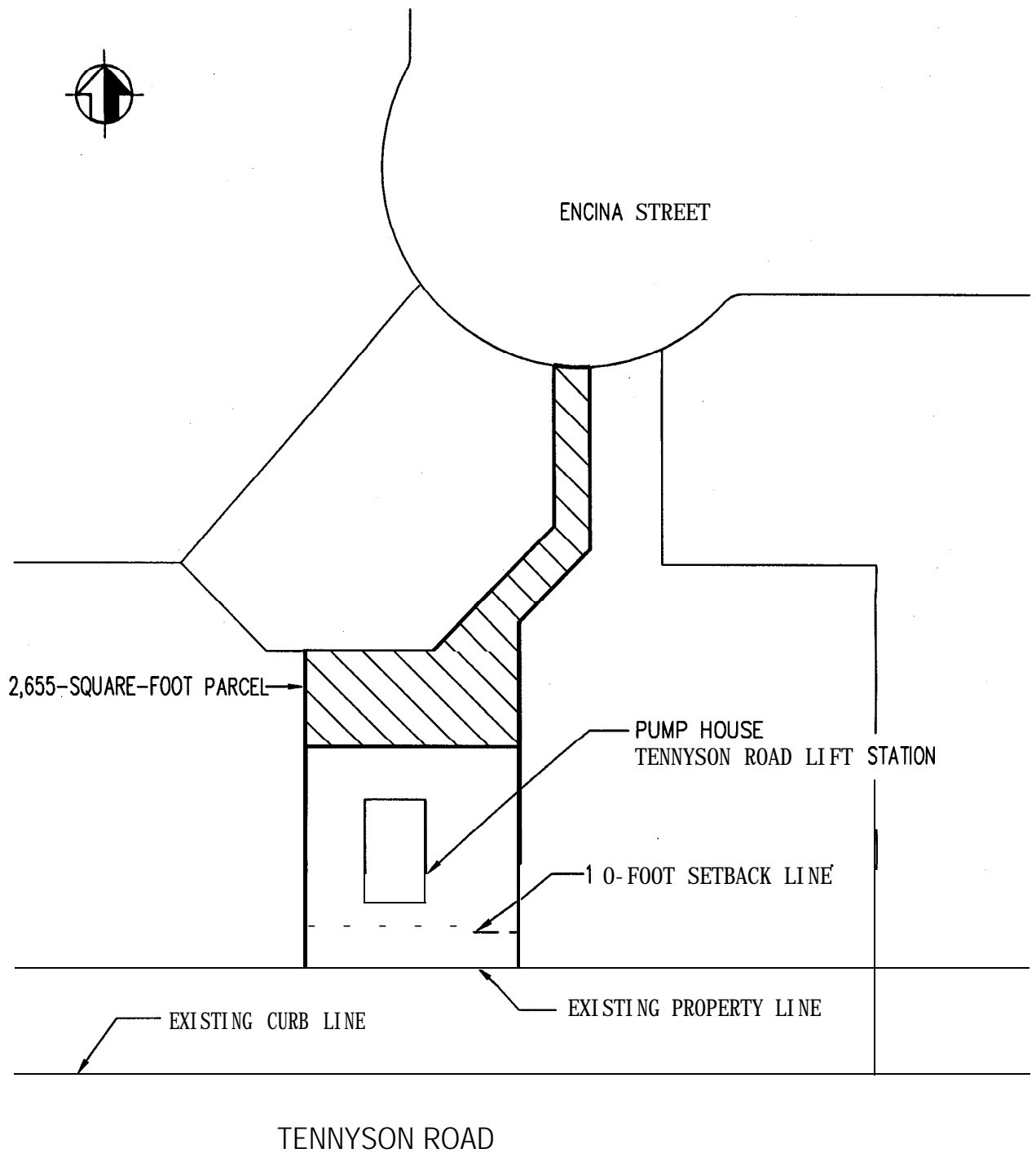
Attachment: Exhibit A - Project Location Map



PROJECT LOCATION MAP

RUUS ROAD SANITARY SEWER LINE REPLACEMENT, TENNYSON ROAD INTERCEPTOR IMPROVEMENT, AND TENNYSON ROAD LIFT STATION IMPROVEMENT
 PROJECT NOS. 614-7604, 613-7588/7502

EXHIBIT "A"
 SHEET 1 OF 2



TENNYSON ROAD LIFT STATION MAP

RUUS ROAD SANITARY SEWER LINE REPLACEMENT, TENNYSON ROAD INTERCEPTOR IMPROVEMENT, AND TENNYSON ROAD LIFT STATION IMPROVEMENT
PROJECT NOS. 614-7604, 613-7588/7502

DRAFT

DM 7-21-98

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION APPROVING PLANS AND SPECIFICATIONS FOR RUUS ROAD SANITARY SEWER LINE REPLACEMENT, TENNYSON ROAD INTERCEPTOR IMPROVEMENT, AND TENNYSON ROAD LIFT STATION IMPROVEMENT PROJECTS, PROJECT 7604, 7588 AND 7502, AND CALL FOR BIDS

BE IT RESOLVED by the City Council of the City of Hayward as follows:

1. That those certain plans and specifications for the Ruus Road Sanitary Sewer Line Replacement, Tennyson Road Interceptor Improvement and Tennyson Road Lift Station Improvement Projects, Project 7604, 7588 and 7502, on file in the office of the City Clerk, are hereby adopted as the plans and specifications for the project;
2. That sealed bids ~~therefor~~ will be received by the City Clerk's office at City Hall, 777 "B" Street, Hayward, California 94541-5007, up to the hour of 2:00 p.m. on Tuesday, August 25, 1998, and immediately thereafter publicly opened and declared by the City Clerk in the Public Works Conference Room, fourth floor, City Hall, Hayward, California;
3. That the City Council will consider a report on the bids at a regular meeting following the aforesaid opening and declaration of same; and
4. That the City Clerk is hereby directed to cause a notice calling for bids for the required work and material to be made in the form and manner provided by law.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 1998

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward